## IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF TEXAS MARSHALL DIVISION

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ContentGuard Holdings, Inc.,	
Plaintiff,	

Civil Action No. 2:13-cv-1112-JRG v.

Amazon.com, Inc., et al.

Defendants.

APPLE'S NOTICE OF JOINING MOTOROLA MOBILITY LLC'S MOTION FOR JUDGMENT ON THE PLEADINGS DECLARING ALL ASSERTED PATENT CLAIMS AGAINST IT INVALID PURSUANT TO 35 U.S.C. § 101 AND ADDITIONAL SUBMISSION REGARDING CLAIMS NOT ASSERTED AGAINST MOTOROLA

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Defendant Apple, Inc. ("Apple") hereby gives notice that it joins in the Motion for Judgment on the Pleadings Declaring All Asserted Patent Claims Against It Invalid Pursuant to 35 U.S.C. § 101 (Dkt. 390) filed by Defendant Motorola Mobility LLC ("Motorola") ("Motorola Mot."). For the reasons stated therein, Apple respectfully requests that the Court grant Apple judgment on the pleadings that all of the claims addressed by Motorola's motion are invalid as drawn to unpatentable subject matter under 35 U.S.C. § 101. As Motorola does not address all claims asserted against Apple, Apple respectfully provides this supplemental submission directed to the claims of the '007, '280, and '053 patents, and two claims of the '160 patent.

#### I. THE FRAMEWORK FOR SECTION 101 ANALYSIS

Motorola's brief addresses the legal framework for Section 101 analysis (*see* Motorola Mot. 4-6). Apple provides a supplemental statement of the law here to address the Court's questions concerning preemption arising at the February 5, 2015 hearing. Preemption of a field of endeavor is a policy consideration underlying Section 101, but it is not a test or requirement for finding a claim invalid. *See Alice Corp. Pty. Ltd. v. CLS Bank Int'l*, 134 S. Ct. 2347, 2358 (2014) (describing "the pre-emption concern that undergirds our § 101 jurisprudence"). *Alice* clarifies that *Bilski v. Kappos*, 561 U.S. 593 (2010), in describing preemption as a result that is to be avoided, did not mandate a "preemption test" for patent eligibility. Rather, concerns about preemption risks justify the bar on patenting abstract ideas. *Alice*, 134 S. Ct. at 2354-55.

The *Alice* test is: (1) does the claim recite an abstract idea, and (2) if so, does it contain an inventive concept sufficient to transform the idea into a patent-eligible application. *Id.* at 2355. Under (2), the Court does not ask whether the claim *completely* preempts all uses of the abstract idea, but whether it adds something meaningfully inventive to the abstract idea, "considering the elements of each claim both individually and as an ordered combination." *Id.* (quotation marks omitted). If it does not, the claim "risk[s] *disproportionately* tying up the use of the underlying

ideas, and [is] therefore ineligible for patent protection." *Id.* at 2354-55 (emphasis added, quotation marks omitted). In other words, preemption is *not* required in order to find a claim invalid. *See Gametek LLC v. Zynga, Inc.*, 2014 WL 1665090, at \*5 (N.D. Cal. Apr. 25, 2014) ("A patent need not, however, preempt an entire field to run afoul of § 101; instead, the question is whether the patent 'would risk disproportionately tying up' the use of the abstract idea.") (quoting *Mayo Collaborative Servs. v. Prometheus Labs., Inc.*, 132 S. Ct. 1289, 1294 (2012)); *Loyalty Conversion Sys. Corp. v. Am. Airlines, Inc.*, No. 2:13-CV-655, 2014 WL 4364848, at \*11 (E.D. Tex. Sept. 3, 2014) (Bryson, J.) (finding claims invalid and observing "although the field of use is narrow—the conversion of one entity's loyalty award points into those of another entity—the preemptive effect of Loyalty's claims within that field of use is broad").

#### II. THE '007 AND '160 STEFIK PATENTS ARE NOT PATENT-ELIGIBLE

In addition to the claims of the five Stefik patents addressed in Motorola's brief (*see* Motorola Mot. 11-23), ContentGuard has asserted against Apple claims 1, 3-6, 8-11, and 13-15 from U.S. Patent No. 8,393,007 ("the '007 patent") (Ex. A) and claims 3 and 10 from U.S. Patent No. 7,225,160 ("the '160 patent") (Ex. B). Like the other Stefik patents, these patents claim the concept of associating usage rights with digital content and enforcing those rights.

#### A. The '007 Patent

Claim 1 of the '007 patent is drawn to the abstract idea of restricting access to materials.

As illustrated by the basic library loan scenario (*see* Motorola Mot. 1), the claim recites elements of a process that can be, and has been, performed by humans without computers:

Claim Element	Corresponding Action
1. A computer-implemented method of	A library permits a patron to use library
distributing digital content to at least one	materials, such as a book or CD, in accordance
recipient computing device to be rendered by	with certain restrictions, e.g., length of
the at least one recipient computing device in	borrowing period, permission to use outside
accordance with usage rights information, the	the library, or permission to make copies.
method comprising:	-

Claim Element	Corresponding Action
[a] determining, by at least one sending	A librarian examines a patron's library card or
computing device, if the at least one recipient	other credentials to determine whether the
computing device is trusted to receive the	patron is a library member, or is otherwise
digital content from the at least one sending	authorized to use the library materials.
computing device;	
[b] sending the digital content, by the at least	A patron may borrow certain library materials
one sending computing device, to the at least	only when she can present proof (e.g., a library
one recipient computing device only if the at	card) that she has been authorized to access
least one recipient computing device has been	those materials by the library. The library will
determined to be trusted to receive the digital	issue a card only after the patron fills out an
content from the at least one sending	application form and agrees to the library's
computing device; and	terms of use. Once she has obtained her valid
	library card, the patron is "trusted" by the
	library to borrow books, CDs or other
	materials. Only after a patron shows a valid
	library card to a librarian will the librarian
	obtain requested materials from library storage
	and provide that material to the patron, or
	otherwise permit the patron to take custody of
	library materials, including the right to remove
	them from library premises.
[c] sending usage rights information indicating	The librarian also provides the patron with
how the digital content may be rendered by the	rules regarding use of the materials. The
at least one recipient computing device, the	patron agrees to, and does, follow those rules.
usage rights information being enforceable by	
the at least one recipient computing device.	

Claim 1 provides no features beyond the abstract concept of a library providing access to materials to its authorized patrons. Restricting access to materials is not a technical problem unique to computing environments, and in any event Claim 1 does not identify any particular technological solution to this library loan scenario. *See Ultramercial, Inc. v. Hulu, LLC*, 772 F.3d 709, 716-17 (Fed. Cir. 2014). The generic recitations of "computer-implemented" and "computing device," and "sending" and "determining" from data (which are among the "most basic functions of a computer") do not render Claim 1 patentable. *Alice*, 134 S. Ct. at 2358-59.

Independent Claims 6 and 11 fall with Claim 1, as they include the same elements rewritten in "apparatus" (6) and "computer-readable medium" (11) forms. *See Alice*, 134 S. Ct.

at 2360. The generic components added by these claims ("processors," "memories coupled to processors," and "instructions") do not qualify as "inventive elements" rendering the claims patentable. *See Ultramercial*, 772 F.3d at 716.

Claims 3, 8, and 13 each add that the determination of trust comprises:

Additional Claim Element	Corresponding Action
receiving a request from at least one recipient	A patron requests, and must obtain, a valid
computing device for an authorization object	library card before she is able to access, read,
required to render the digital content; and	listen to, view, or otherwise use library
	materials.
transmitting the authorization object to the at	The library will issue the library card only after
least one recipient computing device when it is	the patron fills out an application form, agrees
determined that the request should be granted.	to the library's terms of use, and, perhaps,
	provides a credit card number for payment of
	any late, damage or other fees. Once she has
	obtained her valid library card, the patron is
	"authorized" by the library to borrow books,
	CDs, or other materials.

These limitations add nothing more than the idea of embodying a patron's authorization to access materials in an "object"—a library card. The use of basic computing functions such as "receiving" and "transmitting" do not render these claims patentable. *Alice*, 134 S. Ct at 2359.

Claims 4, 9 and 14 add identical limitations, that the determination of trust comprises:

Additional Claim Element	<b>Corresponding Action</b>
receiving a registration message from the at	The librarian is given a patron's library card.
least one recipient device, the registration	The library card may include a member
message including an identification certificate	number, bar code, magnetic stripe, patron
of the recipient computing device and a	name, picture, or other identifying information.
random registration identifier, the	These "messages" on the card are used to
identification certificate being certified by a	permit identification of the patron by the
master device;	librarian.
validating the authenticity of the at least one	The librarian uses the card to verify the
recipient device;	patron's identity and/or the status and validity
	of the patron's account, by looking up the
	patron's account by number, or by comparing a
	picture on the card with the patron.
exchanging messages including at least one	The librarian verifies that the library card is
session key with the at least one recipient	valid, e.g., by checking the patron's ID and
device, the session key to be used in	library records.

communications; and	
conducting a secure transaction using the	The librarian gives the patron access to the
session key, wherein the secure transaction	requested library materials as part of the same
includes sending the digital content to the at	transaction in which the librarian verified the
least one recipient device.	patron's identity and authorization.

These limitations are a generic computer implementation of verifying that a user is authorized before giving access to restricted materials, as part of the same transaction. As in the '956 patent (*see* Motorola Mot. 21), the '007 patent explains that a "session key" is a "numeric code that is used with encryption and decryption algorithms," and that "public key encryption is *a well-known technique in the encryption arts*," not an inventive contribution. (Ex. A at 26:2-5.)

Finally, Claims 5, 10 and 15 add identical limitations, that validating comprises:

Additional Claim Element	Corresponding Action
verifying the identification certificate of the at	The librarian checks the patron's library card.
least one recipient device;	
generating a message to test the authenticity of	The librarian asks the patron for identifying
the at least one recipient device, the generated	information retained by the library, for
message including a nonce;	example her phone number, so that the
	librarian can confirm the patron's identity.
sending the generated message to the at least	The library asks the patron to verify identifying
one recipient device; and	information.
verifying if the at least one recipient device	The librarian checks to make sure the patron
correctly processed the generated message.	has responded correctly to the request for
	information.

These limitations describe the abstract idea of verifying patron identity; performing these steps on a computer cannot qualify as an inventive element. *See Alice*, 134 S. Ct. at 2358-59. As in the '956 patent (*see* Motorola Mot. at 21-22), a "nonce" refers to "a message generated in order to test whether the recipient is using the correct encryption keys." (Ex. A at 27:45-50.) This is a well-known method for a computer to verify the identity of another. *Alice*, 134 S. Ct at 2359.

#### B. Claims 3 and 10 of the '160 Patent

For the reasons set forth in Motorola's motion, claims 1, 2, and 9 of the '160 patent are invalid as drawn to unpatentable subject matter. (*See* Motorola Mot. 22-23.) The remaining

claims asserted against Apple do not add any inventive elements. Claim 3 adds "wherein said usage rights portion further specifies a usage fee associated with exercise of the manner of use, said usage fee comprising a fee type and fee parameters." The patent explains that the "usage fee" is simply "[a] fee charged to a requester for access to a digital work." (Ex. B at 48:21-22.) This adds nothing inventive to the abstract concept; in the library example, certain loan types of certain works may incur fees of different types, with different parameters. Interlibrary loans may incur a fee, and overdue fees vary across media types (books, magazines, reference books, videos) and are parameterized by time. *See* Ex. C (Santa Clara Cty. Library Dist. Fines & Fees Policy). Claim 10 simply adds that "said digital content portion and said usage rights portion are stored on different physical devices." This adds no inventive element. In the library example, usage rights for various types of library materials may be on a notice attached to the materials, or may they be posted only on nearby signage and/or in the library's printed policies.

#### III. THE NGUYEN PATENTS ARE NOT PATENT-ELIGIBLE

Content Guard asserts Claims 1, 5, 11, 12 and 22 of U.S. Patent No. 7,774,280 ("the '280 patent") (Ex. D) and Claims 1, 3, 4, 5, 15, and 23 from U.S. Patent No. 8,001,053 ("the '053 patent") (Ex. E) (collectively "the Nguyen patents").

The Nguyen patents are abstractions on top of the abstract idea recited by the Stefik patents. (*See* Ex. D at 5:42-49.) In Stefik's library-loan scenario, content already has usage rights associated with it. The Nguyen patents describe the *creation* of usage rights by content publishers and libraries. The Nguyen patents acknowledge that "[t]he interpretation and enforcement of usage rights are well known generally and described in" the Stefik patents. (Ex. D at 5:22-24.) Irrespective of whether Stefik's usage rights claims are unpatentable (as set forth above, they are), the ostensible point of novelty of the Nguyen patents is the *sublicensing* of usage rights in a generic computer environment. That abstract legal concept is not patentable.

*Cf. In re Comiskey*, 554 F.3d 967, 981 (Fed. Cir. 2009) (claims "describ[ing] an allegedly novel way of requiring and conducting arbitration…are unpatentable").

The Nguyen patents purport to add to usage rights the additional abstract concepts of "meta-rights" and "state variables." (*See* Ex. D at 5:43-51, 1:18-20.) But a "meta-right" is no more than the right to create, modify, or dispose of usage rights associated with content, or to create, modify, or dispose of meta-rights themselves. (*Id.* at 5:47-50.) That is sublicensing. For example, a publisher could provide a book to library, with permission for the library to lend it out to patrons. The publisher thereby creates a meta-right held by the library, and the library can exercise that right by creating usage rights for the book. A "state variable" simply records the status of some usage rights or meta-rights. *Id.* at 7:67-8:3. For example, a usage right might be the right to make three copies of the content, and a state variable for that usage right might reflect that the patron holding that right has already made two out of the three copies. *See id.* at 8:3-10. These status records do not make the claimed sublicensing any less abstract.

During prosecution of the both patent applications leading to the Nguyen patents, the examiner rejected the pending claims under Section 101. (Ex. F at 5; Ex. H.) To overcome these rejections, the patentee amended claims of the '280 patent to indicate that claims were "computer-implemented" and "meta-rights are provided in digital form" (Ex. G), and amended claims of the '053 patent to indicate that the limitations were performed "by a processor" (Ex. I) These claims would not have issued but for the limitations that the Supreme Court has made clear are insufficient to render abstract ideas patentable. *Alice*, 134 S. Ct. at 2360.

#### A. The Nguyen '280 Patent

Claim 1 recites steps for the abstract idea of providing consumers with rights to an item, such as a video cassette or a book. This idea can be (and has been historically) implemented using written agreements and over-the-counter transactions. Claim 1 is drawn to steps practiced

in, for example, a basic video rental transaction, in which a video store has the right (granted to it by movie studios) to generate downstream rights for its video rental customers, allowing them to borrow and view videos. Claim 1 does nothing more than suggest the use of general processors and electronic storage to automate the steps of this idea, and lacks any inventive, technological solution to any particular technical problem involving sublicensing usage rights:

Claim Element	Corresponding Action
1. A computer-implemented method for	Video Store obtains a movie from Movie
transferring rights adapted to be associated	Studio, and receives rights to sell or rent that
with items from a rights supplier to a rights	movie to Customer subject to certain rights
consumer, the method comprising:	defined by Movie Studio.
[a] obtaining a set of rights associated with an	Movie Studio specifies, in a license to Video
item, the set of rights including a meta-right	Store, that (for example) Video Store may rent
specifying a right that can be created when the	newly released movies for one day at a time,
meta-right is exercised, wherein the meta-right	but movies that have been available for more
is provided in digital form and is enforceable	than two months may be sold or rented for a
by a repository;	week at a time. The Video Store follows the
	terms of the license.
[b] determining, by a repository, whether the	Customer decides to rent Movie A, which is a
rights consumer is entitled to the right	new release. Customer hands his membership
specified by the meta-right;	card and Movie A to Clerk. Clerk will look up
	Customer's membership information and the
	rental price for Movie A. Clerk determines
	that Customer does not have any unpaid late
	fees and may rent Movie A upon payment of
	the rental fee. Clerk determines that Customer
	is entitled to take possession of Movie A for
	playing in a private home when Customer pays
fall and amountains the master distance of the	the rental fee.
[c] and exercising the meta-right to create the	Upon receiving the rental fee, Clerk will hand
right specified by the meta-right if the rights	Movie A and a receipt specifying how Movie
consumer is entitled to the right specified by	A maybe used and that it must be returned by
the meta-right,	the end of the next day.
[d] wherein the created right includes at least	Clerk notes in a transaction log that Customer
one state variable based on the set of rights and used for determining a state of the created	must return Movie A by the end of the next day. Customer's receipt also indicates that
	1
right.	Movie A must be returned by the end of the
	next day.

Claim 1's only limitation on the abstract idea of sublicensing is requiring "a particular technological environment" and "well-understood, routine, conventional activity," by specifying

the use of general "processors" and "repositories." *Alice*, 134 S. Ct. at 2358; *Mayo*, 132 S. Ct. at 1298. This is insufficient to save the claim from invalidity. *Cybersource Corp. v. Retail Decisions, Inc.*, 654 F.3d 1366, 1375 (Fed. Cir. 2011) ("[T]he incidental use of a computer ... does not impose a sufficiently meaningful limit on the claim's scope."). The claimed "repository" is a "wholly generic computer" that automates the ineligible abstract idea of sublicensing, and provides no "practical assurance that the process is more than a drafting effort designed to monopolize the [abstract idea] itself." *Alice*, 134 S. Ct. at 2358. The inclusion of a "state variable"— a parameter associated with the usage right (for example, the loan period)— "[s]imply appending conventional steps, specified at a high level of generality," is not enough to supply an "inventive concept." *Mayo*, 132 S. Ct. at 1292.

The remaining independent claim, Claim 12, is drawn to the same alleged invention as Claim 1, but is presented as a system claim. Claim 12 thus falls with Claim 1. *See Alice*, 134 S. Ct. at 2360. The additional limitations of the dependent claims do not contain any inventive element sufficient to render the claims drawn to "significantly more" than the abstract idea of Claim 1. Claim 5 adds the limitation that "the state variable is updated upon exercise of a right associated with state variable." This step is accomplished in the video store example by the clerk updating the due date of a movie in a log if the customer pays to renew or add days to the rental period. Claims 11 and 22 add the limitation of "generating a license including the created right, if the rights consumer is entitled to the right specified by the meta-right." This is a restatement of the abstract sublicensing concept. In the video store example, as the rental transaction is completed, the clerk would draw up a receipt including the terms and conditions of the customer's rights (*e.g.*, Movie A must be returned by the end of the next day).

## B. The Nguyen '053 Patent.

Claim 1 is drawn to the abstract idea of licensing and sublicensing rights for users to access and use content. Like the risk hedging claimed in *Bilski*, the idea of granting and sharing rights to use content under licenses is an "economic practice long prevalent in our system of commerce." 561 U.S. at 619. Claim 1's steps are no different than those practiced by libraries (or video stores) in acquiring materials, using them, and loaning them out to patrons:

Claim Element	<b>Corresponding Action</b>
1. A method for sharing rights adapted to be	Library obtains a book from Publisher and
associated with an item, the method	receives rights to share/lend that book to
comprising:	Patron subject to certain rights defined by
	Publisher and by Library.
[a] specifying, in a first license, using a	Publisher specifies, in a license to Library, that
processor, at least one usage right and at least	Library can make five copies of book (usage
one meta-right for the item, wherein the usage	right), three of which can be shared/loaned to
right and the meta-right include at least one	Patrons under specific terms and/or for a
right that is shared among one or more users or	specific length of time (meta-rights), and two
devices;	of which are retained by the Library for on-site
	reference use (usage rights).
[b] defining, via the at least one usage right,	Publisher's license to Library includes the
using a processor, a manner of use selected	usage right to copy the book only five times.
from a plurality of permitted manners of use	Copying is one of many possible manners of
for the item;	use for the book that could be permitted by
	Publisher (read and loan being other possible
	manners of use).
[c] defining, via the at least one meta-right,	Publisher's license explicitly allows Library to
using a processor, a manner of rights creation	loan three copies of the book to Patrons.
for the item, wherein said at least one meta-	Library exercises its "meta-right" by actually
right is enforceable by a repository and allows	loaning each of three copies to Patrons. In
said one or more users or devices to create new	loaning each copy to a Patron, Library creates
rights;	a new right for each Patron to read the book for
	one week.
[d] associating, using a processor, at least one	Publisher's license limits Library to making
state variable with the at least one right in the	five copies of the book, only three of which
first license, wherein the at least one state	may be loaned to Patrons for a maximum
variable identifies a location where a state of	length of two weeks. Library is required to,
rights is tracked;	and does, keep track in a log book (or on a
	computer system) of the total number of copies
	made, the total number of copies borrowed by
	Patrons at any time, and the length of each
	Patron's borrowing period.

Claim Element	Corresponding Action
[e] generating, in a second license, using a	When Patron borrows a copy of the book from
processor, one or more rights based on the	Library, he agrees (by filling in a card or
meta-right in the first license, where in the one	entering his information into a computer
or more rights in the second license includes at	system) to the second license terms defined
least one right that is shared among one or	and created by the Library, including length of
more users or devices;	loan (two weeks) and permitted manners of use
	(read, not copy). All Patrons who borrow
	copies of the book share the same rights (read
	for two weeks, do not copy).
[f] and associating at least one state variable	Publisher's first license to Library requires
with the at least one right that is shared in the	Library to keep track of the number of copies
second license, wherein the at least one state	made, the number of copies loaned to Patrons
variable that is associated with the second	at any one time, and the length of time that
license is based on the at least one state	each Patron borrows a copy. Library's license
variable that is associated with the first license.	with Patron requires Patron to return the copy
	to Library after two weeks; accordingly, both
	Patron and Library keep track of the number of
	days remaining in Patron's borrowing period
	(or, alternatively, the number of days since
	Patron borrowed the copy).

Claim 1 lacks any inventive element. It merely limits the abstract idea of rights sharing and sublicensing to "a particular technological environment" and "well-understood, routine, conventional activity," by specifying the use of general "processors" and "repositories." *Alice*, 134 S. Ct. at 2358; *Mayo*, 132 S. Ct. at 1298. Claim 15 is a "system" version of method claim 1, and necessarily falls with it. *See Alice*, 134 S. Ct. at 2360.

The dependent claims fail to add any limitations that render them patentable. Claim 3 adds that "the state variable in the first or second license shares a state thereof for content usage or rights derivation with other generated usage rights and meta-rights." Keeping track of sublicenses and their terms adds noting inventive to the abstract idea. In the library example, if Patron 2 borrows a second copy of the book, the library updates its log to show that a second copy of the book has been loaned and, as with Patron, tracks the number of days remaining in

Patron 2's borrowing period. The state variables of "copies loaned" and "time remaining in borrowing period" are shared between Library, Patron and Patron 2.

Claim 4's added limitation, "wherein the state variable in the first or second license inherits a remaining state for content usage or rights derivation from other generated usage rights and meta-rights," is not inventive either. In the library example, this limitation would be met where Patron 2 can only borrow a copy of the book if fewer than three copies of the book already have been checked out by other Patrons. When Patron 2 checks out a copy, the number of available copies is accordingly reduced.

Claim 5 adds the non-inventive limitation that "wherein the state variable in the first or second license is updated upon exercise of a right associated with the state variable." In the library example, Claim 5 would be met when the library makes a copy of the book and updates its record of the total number of copies made. Similarly, when the library loans a copy of the book to Patron, the library's record of the total number of copies loaned out is updated; when a Patron renews the book, the library updates the Patron's due date. Finally, Claim 23 adds the limitation, "where in the state variable in the second license is transferred from the at least one right in the first license and is associated with the right that is shared in the second license." In the library example, this claim would be met where Patron 1 checks out a copy of the book, and the library updates its record of the total number of copies loaned out. When Patron 2 checks out another copy of the book, the library updates the same record.

#### CONCLUSION

For the reasons set forth above and in Motorola's motion, Apple respectfully requests that the Court grant judgment on the pleadings that all of claims asserted against Apple in this action are invalid as drawn to unpatentable subject matter under 35 U.S.C. § 101.

Dated: February 24, 2015 /s/ Melissa R. Smith

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### **CERTIFICATE OF SERVICE**

This is to certify that the foregoing document was filed using the Court's electronic filing and case management system (CM/ECF) which will provide electronic service on all counsel of record.

/s/ Melissa R. Smith

### CERTIFICATE OF CONFERENCE

The undersigned certifies that the parties complied with Local Rule CV-7(g)'s meet and confer requirement. On February 24, 2015, counsel for Defendant, including the undersigned, met and conferred with counsel for Plaintiff by telephone. The parties attempted to resolve the issue in this motion but reached an impasse.

/s/ Melissa R. Smith